

Title (en)
VAPOR COATING APPARATUS AND METHOD

Title (de)
VORRICHTUNG UND VERFAHREN ZUR DAMPFPHASENABSCHEIDUNG EINER BESCHICHTUNG

Title (fr)
APPAREIL DE REVETEMENT PAR JET DE VAPEUR

Publication
EP 1035927 B1 20050413 (EN)

Application
EP 98957912 A 19981112

Priority
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• US 98094797 A 19971201

Abstract (en)
[origin: WO9928051A1] Coating system and method that allows coatings to be formed from a wide variety of coatable compositions that are entirely free of any solvents or, alternatively, have relatively little solvent in minor amounts effective to help dissolve one or more components of such compositions. A fluid composition is atomized and contacted with a carrier gas. The contacting occurs under conditions such that vaporization of substantially all of the atomized fluid composition occurs so as to form a vapor having a condensation temperature. The vapor is caused to flow to the surface of the substrate. The surface is at a temperature below the condensation temperature of the vapor. Consequently, the vapor condenses onto the surface to form the coating.

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B05D 7/24; **B05B 7/02**

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